Attorney's Docket No.: 06155-063001

Pending Claims After The Entering Of The Above Amendments

1. (Amended) A marking composition, comprising:

a polymer first material comprising silicon; and

a second material capable of extending polymeric chains of the first material,

wherein the first material comprises a phenyl methyl silicone resin and the weight ratio of phenyl to methyl groups is between about 0.4:1 and 2.1:1, and

the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

- 2. The composition of claim 1, wherein the second material is capable of crosslinking with the first material.
 - 3. The composition of claim 1, wherein the second material comprises a polyol.
- 4. The composition of claim 1, wherein the second material is selected from a group consisting of a diol and a triol.
 - 5. 8. Canceled.
 - 9. The composition of claim 1, further comprising a crosslinking agent.
 - 10. The composition of claim 9, wherein the crosslinking agent comprises a silane.
 - 11. (Twice amended) A marking composition, comprising:

a polymer first material comprising silicon;

a second material capable of extending polymeric chains of the first material; and

a blocked, catalytic crosslinking agent,

wherein the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

- 12. The composition of claim 11, wherein the blocked crosslinking agent comprises a carbamate.
 - 13. The composition of claim 1, further comprising a catalyst.
- 14. The composition of claim 13, wherein the catalyst is selected from a group consisting of a platinum-based catalyst, a zinc-based catalyst, and a Lewis acid.
 - 15. (Amended) A marking composition, comprising:

a polymer first material comprising silicon;

a second material capable of extending polymeric chains of the first material; and an optical tag,

wherein the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

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16. (Twice amended) A marking composition, comprising:

a polymer silicone resin; and

a blocked, catalytic crosslinking agent capable of crosslinking with the resin,

wherein the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

- 17. Canceled.
- 18. The composition of claim 16, wherein the resin comprises a combined aromatic and aliphatic substituted silicone resin.
- 19. The composition of claim 16, wherein the resin comprises a phenyl methyl silicone resin.
- 20. The composition of claim 19, wherein the ratio of phenyl to methyl groups is between about 0.4:1 and 2.1:1.
 - 21. Canceled.
 - 22. Canceled.
- 23. (Amended) The composition of claim 16, wherein the crosslinking agent comprises a carbamate.
 - 24. The composition of claim 16, further comprising a catalyst.
- 25. The composition of claim 24, wherein the catalyst is selected from a group consisting of platinum-based catalyst and zinc-based catalyst.
 - 26. (Amended) The composition of claim 16, comprising about 10 to about 90 percent of the resin; and about 0.1 to about 9 percent of the crosslinking agent.
 - 27. 34. Canceled
 - 35. (Amended) An article, comprising:

a substrate; and

a marking composition on the substrate, the composition comprising:

a polymer first material comprising silicon; and

a second material capable of extending polymeric chains of the first material, wherein the first material comprises a phenyl methyl silicone resin and the weight ratio of phenyl to methyl groups is between about 0.4:1 and 2.1:1, and

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the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

- The article of claim 35, wherein the second material is capable of crosslinking 36. with the first material.
 - 37. The article of claim 35, wherein the second material comprises a polyol.
- 38. The article of claim 35, wherein the second material is selected from a group consisting of a diol and a triol.
 - 39. 42.Canceled.
- (Amended) The article of claim 35, wherein the composition further comprises a 43. crosslinking agent.
 - The article of claim 43, wherein the crosslinking agent comprises a silane. 44.
 - 45. (Twice amended) An article, comprising:
 - a substrate; and
 - a marking composition on the substrate, the composition comprising
 - a polymer first material comprising silicon;
 - a second material capable of extending polymeric chains of the first material; and

a blocked, catalytic crosslinking agent,

wherein the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

- 46. The article of claim 45, wherein the blocked crosslinking agent comprises a carbamate.
- (Amended) The article of claim 35, wherein the composition further comprises a 47. catalyst.
- The article of claim 47, wherein the catalyst is selected from a group consisting of a platinum-based catalyst, a zinc-based catalyst, and a Lewis acid.
 - (Amended) An article, comprising: 49.

a substrate; and

a marking composition on the substrate, the composition comprising

a polymer first material comprising silicon;

a second material capable of extending polymeric chains of the first material; and an optical tag,

wherein the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

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50. The article of claim 35, wherein the substrate comprises a metal.

- 51. The article of claim 35, wherein the substrate is a beverage can.
- 52. The composition of claim 11, wherein the second material is capable of crosslinking with the first material.
 - 53. The composition of claim 11, wherein the second material comprises a polyol.

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- 54. The composition of claim 11, wherein the second material is selected from a group consisting of a diol and a triol.
 - 55. The composition of claim 11, wherein the first material comprises a silicone resin.
- 56. The composition of claim 11, wherein the first material comprises a combined aromatic and aliphatic substituted silicone resin.
- 57. The composition of claim 11, wherein the first material comprises a phenyl methyl silicone resin.
- 58. The composition of claim 57, wherein the weight ratio of phenyl to methyl groups is between about 0.4:1 and 2.1:1.
 - 59. The composition of claim 11, further comprising a catalyst.
- 60. The composition of claim 59, wherein the catalyst is selected from a group consisting of a platinum-based catalyst, a zinc-based catalyst and a Lewis acid.
- 61. The composition of claim 15, wherein the second material is capable of crosslinking with the first material.
 - 62. The composition of claim 15, wherein the second material comprises a polyol.
- 63. The composition of claim 15, wherein the second material is selected from a group consisting of a diol and a triol.
 - 64. The composition of claim 15, wherein the first material comprises a silicone resin.
- 65. The composition of claim 15, wherein the first material comprises a combined aromatic and aliphatic substituted silicone resin.
- 66. The composition of claim 15, wherein the first material comprises a phenyl methyl silicone resin.

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- The composition of claim 66, wherein the weight ratio of phenyl to methyl groups 67. is between about 0.4:1 and 2.1:1.
 - The composition of claim 15, further comprising a crosslinking agent. 68.
 - 69. The composition of claim 68, wherein the crosslinking agent comprises a silane.
 - 70. The composition of claim 15, further comprising a catalyst.
- The composition of claim 70, wherein the catalyst is selected from a group 71. consisting of a platinum-based catalyst, a zinc-based catalyst, and a Lewis acid.
- The composition of claim 45, wherein the second material is capable of 72. crosslinking with the first material.
 - The composition of claim 45, wherein the second material comprises a polyol. 73.
- The composition of claim 45, wherein the second material is selected from a 74. group consisting of a diol and a triol.
 - The composition of claim 45, wherein the first material comprises a silicone resin. 75.
- The composition of claim 45, wherein the first material comprises a combined 76. aromatic and aliphatic substituted silicone resin.
- The composition of claim 45, wherein the first material comprises a phenyl 77. methyl silicone resin.
- The composition of claim 77, wherein the weight ratio of phenyl to methyl groups 78. is between about 0.4:1 and 2.1:1.
 - The composition of claim 45 further comprising a catalyst. 79.
- The composition of claim 79, wherein the catalyst is selected from a group 80. consisting of a platinum-based catalyst, a zinc-based catalyst and a Lewis acid.
 - A marking composition, comprising: 81.
- a polymer first material comprising a phenyl methyl silicone resin, the weight ratio of phenyl to methyl groups being between about 0.4:1 and 2.1:1; and

a crosslinking agent,

wherein the marking composition is capable of undergoing a change that can be detected optically when the composition is contacted with energy.

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82. The composition of claim 81, wherein the crosslinking agent comprises a silane.

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83. The composition of claim 81, further comprising a blocked crosslinking agent.

84. The composition of claim 83, wherein the blocked crosslinking agent comprises a carbamate.

85. The composition of claim 81, further comprising a catalyst.

86. The composition of claim 85, wherein the catalyst is selected from a group consisting of a platinum-based catalyst, a zinc-based catalyst, and a Lewis acid.

87. The composition of claim 15, wherein the optical tag comprises 2,2'-(2,5-thiophenediyl)bis[5-tert-butylbenzoxazole].

88. (Amended) The article of claim 49, wherein the optical tag comprises 2,2'-(2,5-thiophenediyl)bis[5-tert-butylbenzoxazole].

89. (New) The composition of claim 11, wherein the crosslinking agent is capable of deblocking to form an amine.

90. (New) The composition of claim 11, wherein the crosslinking agent comprises a silane.

91. (New) The composition of claim 16, wherein the crosslinking agent is capable of deblocking to form an amine.

92. (New) The composition of claim 16, wherein the crosslinking agent comprises a silane.

93. (New) The composition of claim 45, wherein the crosslinking agent is capable of deblocking to form an amine.

94. (New) The composition of claim 45, wherein the crosslinking agent comprises a silane.